

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 82-13

REVISED WASTE DISCHARGE REQUIREMENTS FOR:

THE CHRISTIAN BROTHERS GREYSTONE WINERY,
MONT LA SALLE VINEYARDS,
ST. HELENA, NAPA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter called the Board) finds that:

1. The Christian Brothers Greystone Winery, Mont La Salle Vineyards, (hereinafter called the Discharger) submitted a letter dated January 13, 1982 describing wastewater system revisions and proposed mode of operation. Supplemental information was received by letter dated March 1, 1982.
2. The Discharger currently generates an average of 6800 gallons per day of combined domestic and industrial wastes. The sanitary wastes are generated by 50 employees and a maximum of 2000 visitors per day. The industrial waste is from cooling water overflow and equipment washing operations. No crushing occurs at this facility, only storage and champagne bottling.
3. Sanitary waste currently passes through two septic tanks, biodiscs, and chlorine contact chamber before combining with the industrial waste in an aeration pond. Industrial waste currently passes through a flow measurement chamber before entering the same aeration pond. The combined sanitary and industrial waste then passes through three oxidation ponds in succession and is disposed of by spray irrigation of 1.5 acres of grassland. The current storage and disposal facilities are not adequate to meet waste discharge requirements and this has resulted in discharges to State Waters during the 1981-1982 wet season. Cleanup and Abatement Order No. 81-006 was issued on December 15, 1981 relative to wastewater system problems.
4. The Discharger has submitted a revised wastewater management plan which is based upon a water balance wherein all wastewater will be stored in ponds in wet weather months and disposed on an adjacent grassland during dry weather months.
5. The Board adopted a Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan) in April 1975. The Basin Plan contains water quality objectives for the Napa River.
6. The beneficial uses of the Napa River downstream from the storage ponds and disposal areas are:

- a. Domestic water supply for irrigating family gardens.
 - b. Agricultural water supply for stock watering, irrigation and frost protection.
 - c. Water contact recreation.
 - d. Fish migration and habitat.
 - e. Preservation and enhancement of fish, wildlife and other aquatic resources.
 - f. Esthetic enjoyment.
7. The beneficial uses of the Napa Valley ground waters as set forth in the Basin Plan include:
- a. Domestic water supply.
 - b. Agricultural water supply.
8. The existing waste discharge requirements in Order No. 79-88 are no longer applicable.
9. As this project is adoption of revised waste discharge requirements for an existing discharge, this Board, pursuant to Water Code Section 13389, is not required to comply with the provisions of Chapter 3 of Division 13 of the Public Resources Code (California Environmental Quality Act).
10. The Board has notified the Discharger and interested agencies and persons of its intent to prescribe revised waste discharge requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
11. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, pursuant to the provisions of Division 7 of the California Water Code and regulations adopted thereunder, that the Discharger shall comply with the following:

A. SPECIFICATIONS

1. At some point in the treatment process the sanitary or combined waste shall meet the following limit at all times:

Total Coliform	23 MPN/100 ml, moving median
Organisms	of seven consecutive samples

2. Waste at the surface of all ponds shall meet the following quality limits at all times:

In any grab sample:

Dissolved Sulfide	0.1 mg/l maximum
Dissolved Oxygen	2.0 mg/l minimum
pH	6.0 minimum
	9.0 maximum

3. Waste as discharged to the disposal area shall meet the following quality limits at all times:

In any grab sample:

5-day BOD	40 mg/l maximum
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4. Neither the treatment nor disposal of waste shall create a nuisance as defined by California Water Code Section 13050(m).
5. The public shall be effectively excluded from the waste treatment and disposal area.
6. Ponds shall be protected against erosion, washout, and flooding from a flood having a predicted frequency of once in 100 years.
7. A minimum freeboard of two feet shall be maintained in all ponds at all times.
8. Wastewater shall be applied to disposal areas in a manner which will prevent public contact with the wastewater.

B. PROHIBITIONS

1. There shall be no bypass or overflow of waste to waters of the State from the collection, treatment, storage or disposal system.
2. The waste shall not be allowed to escape from the discharger's disposal area into waters of the State via surface flow, resurfacing after percolation or airborne spray.
3. The waste shall not cause degradation of any ground water so as to impair beneficial use.
4. Waste discharged to the pond system shall not exceed 7500 gallons per day (annual average).
5. Waste shall not be applied to the disposal area from October 1 through March 31.

6. Wastewater ponding which could provide a breeding area for mosquitoes shall be prevented in the disposal area.

C. PROVISIONS

1. By October 1 of each year the Discharger shall submit a report to the Board containing the depth of freeboard in each pond, and an assessment of the ability to maintain the minimum freeboard with anticipated rains and waste inflow.
2. In reviewing compliance with Specification A.7., Prohibitions B.1., B.2., and B.5. of this Order, the Board will take special note of the difficulties encountered in achieving compliance during entire wet seasons having a rainfall recurrence interval greater than once in ten years.
3. The Discharger shall comply with the Self-Monitoring Program as ordered by the Executive Officer.
4. All equipment including pumps, piping and valves, storage ponds, etc. which may at any time contain wastes shall be adequately and clearly identified with warning signs and Discharger shall make all necessary provisions, in addition, to inform the public that the liquid contained therein is wastewater and is unfit for human consumption.
5. The Discharger shall maintain in good working order and operate, as efficiently as possible, any facility or control system installed to achieve compliance with the waste discharge requirements.
6. The Discharger shall file with this Board a report of waste discharge at least 120 days of any material change or proposed change in the character, treatment, or volume of this waste discharge. For the purpose of these requirements, this includes any proposed change in the boundaries, or ownership of the property.
7. The Discharger shall permit the Board or its authorized representatives in accordance with California Water Code Section 13267(c):
 - a. Entry upon premises in which an effluent source is located or in which any required records are kept.
 - b. Access to copy any records required to be kept under terms and conditions of this Order.
 - c. Inspection of any monitoring equipment or method required by this Order.
 - d. Sampling of any stored or disposed wastewater.

8. This Board's Order No. 79-88 is hereby rescinded.
9. Compliance with Specification A.1 is not required if the Discharger demonstrates to the satisfaction of the Executive Officer, that wastewater after pond treatment and storage will be disposed in a dedicated evaporation area during dry weather months.
10. Wastewater containing sanitary sewage shall be applied to land so as to preclude the contamination of grapes with spray droplets. The Discharger shall submit a report to the satisfaction of the Executive Officer by May 1, 1982 describing the manner by which this will be accomplished.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on March 17, 1982.

FRED H. DIERKER
Executive Officer